

SEDAR Hogfish Assessment

Doug Harper and I did the attached analysis of commercial landings to address a central question regarding our fishery-independent diver-based surveys of the Florida Reef tract (Dade and Monroe counties): How well does our spatial coverage reflect that of the stock?

As demonstrated in the figure covering 1990 through 2000, total commercial landings from Dade and Monroe counties average 55.5% of all hogfish landings in Florida. A conservative conclusion is that our assessments reflect most of the stock. It is also known that many hogfish landed elsewhere in Florida are actually caught in the Florida Keys or Tortugas. Commercial fishers in Broward County, for example, fish the Keys and many commercial fishers that land in Florida west coast ports from Tampa south fish in the Tortugas.

Our conclusion from this analysis is that the spatial coverage for our hogfish assessments (as reported in Ault et al. 1998, 2001, 2002, 2003) is reflective of the majority of the Florida stock.

References:

- Ault, J.S., J.A. Bohnsack, and G. Meester. 1998. A retrospective (1979-1995) multispecies assessment of coral reef fish stocks in the Florida Keys. *Fish. Bull.*, U.S. 96(3): 395-414.
- Ault, J.S., S.G. Smith, G.A. Meester, J. Luo, and J.A. Bohnsack. 2001. Site Characterization for Biscayne National Park: Assessment of Fisheries Resources and Habitats. NOAA Technical Memorandum NMFS-SEFSC-468. 165 p.
- Ault, J. S., S. G. Smith, G. A. Meester, J. Luo, J. A. Bohnsack, and S.L. Miller. 2002. Baseline Multispecies Coral Reef Fish Stock Assessment for Dry Tortugas. NOAA Technical Memorandum NMFS-SEFSC-487. 117 p.
- Ault, J.S., S.G. Smith, G.A. Diaz, and E. Franklin. 2003. Florida hogfish fishery stock assessment. Final Report: FFWCC. 105 p.

Hogfish Commercial Landings

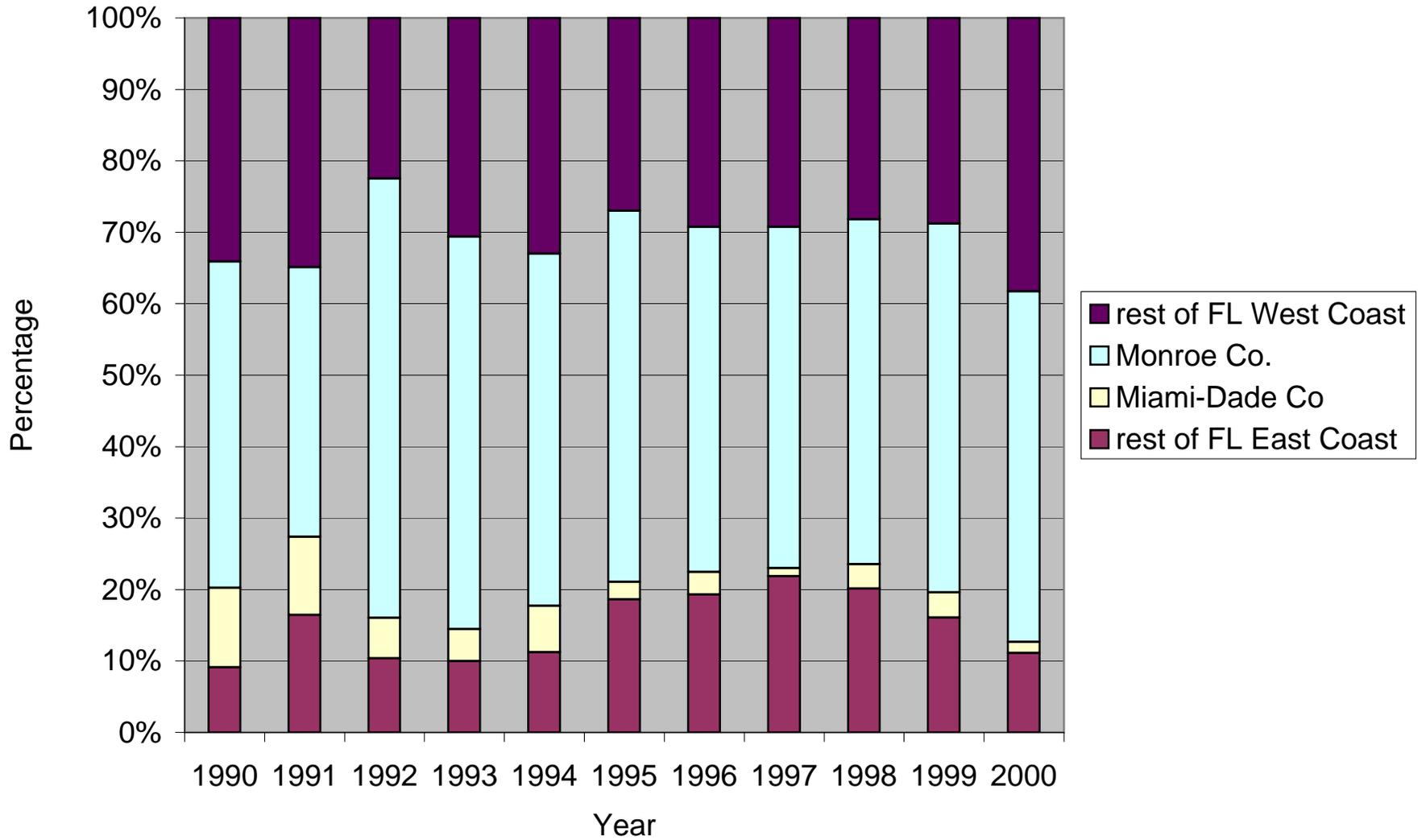


Table 1. - Florida commercial landings for Hogfish by region and year..

Note: As reported in Accumulated Landings System (ALS) query of the Southeast Fisheries Information Network (SEFIN) on September 25, 2003

Region	Year											Grand Total	
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	lbs	%
rest of FL East Coa:	10,516	17,669	11,393	13,638	10,520	12,110	11,743	14,431	9,507	7,372	5,460	124,359	13.9
Miami-Dade Co	12,850	11,780	6,269	6,130	6,089	1,599	1,917	745	1,601	1,615	764	51,359	5.7
Monroe Co.	52,690	40,583	67,636	74,975	46,135	33,766	29,336	31,495	22,793	23,691	24,058	447,158	49.8
rest of FL West Coa:	39,339	37,548	24,714	41,785	30,888	17,538	17,790	19,303	13,289	13,200	18,777	274,171	30.6
Grand Total	115,395	107,580	110,012	136,528	93,632	65,013	60,786	65,974	47,190	45,878	49,059	897,047	100

Annual Percentage	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Total %
rest of FL East Coa:	9	16	10	10	11	19	19	22	20	16	11	14
Miami-Dade Co	11	11	6	4	7	2	3	1	3	4	2	6
MONROE county	46	38	61	55	49	52	48	48	48	52	49	50
rest of FL West Coa:	34	35	22	31	33	27	29	29	28	29	38	31
Grand Total	100	84	100									

Landings (lbs)												Total Lbs
Miami-Dade Co.	12,850	11,780	6,269	6,130	6,089	1,599	1,917	745	1,601	1,615	764	51,359
Broward Co.	8392	12870	6932	9560	5310	6841	8012	8459	3472	3529	1546	74,923
Palm Beach Co.	1611	3845	2886	3133	2639	2684	2889	3497	2682	1549	1785	29,200

% of Florida												Total %
Miami-Dade Co.	1.43	1.31	0.70	0.68	0.68	0.18	0.21	0.08	0.18	0.18	0.09	5.73
Broward Co.	0.94	1.43	0.77	1.07	0.59	0.76	0.89	0.94	0.39	0.39	0.17	8.35
Palm Beach Co.	0.18	0.43	0.32	0.35	0.29	0.30	0.32	0.39	0.30	0.17	0.20	3.26
											Total	17.33